

LOYOLA UNIVERSITY BULLETIN

Vol. XXII

April, 1940

No. 2

NEW ORLEANS COLLEGE OF PHARMACY

SESSION BULLETIN

1939 - 1940



SESSION ANNOUNCEMENTS

1940 - 1941

LOYOLA UNIVERSITY
6363 St. Charles Avenue
NEW ORLEANS, LA.

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Vol. XXII April, 1940 No. 2

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Loyola University, Incorporated April 15, 1912. Authorized to grant degrees by The General Assembly of Louisiana for the year 1912.

The Legal and Corporate Title of the University is
"LOYOLA UNIVERSITY, NEW ORLEANS, LA."

All donations, endowments, legacies, bequests, etc., should be made under this title.

Ad Majorem Dei Gloriam

LOYOLA UNIVERSITY

NEW ORLEANS

COLLEGE OF PHARMACY

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6363 St. Charles Avenue

New Orleans, La.

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1940

[illegible]

1941

[illegible]

SESSION CALENDAR—1940-1941

First Semester

1940

- Sept. 9, 10,
Monday, Tuesday.....Examinations for Entrance and Re-
moval of Conditions.
- Sept. 9 to 16.....Freshman Week: Testing Program Be-
gins Monday, Sept. 9, 8:00 A. M.;
Final Registration, Monday, Sept. 16.
- Sept. 12, Thursday.....Registration of Sophomores.
- Sept. 13, Friday.....Registration of Upper Division
Students.
- Sept. 17, Tuesday.....Regular Session of Academic Year
Begins; 9:00 A. M., Schola Brevis.
- Sept. 26, Thursday.....Latest Date for Changes in Registra-
tion and Delayed Registration.
- Sept. 27, 28, 29,
Fri., Sat., Sun.....Commemoration of Fourth Centenary
of the Society of Jesus.
- Sept. 27, Friday.....Solemn Pontifical Mass of the Holy
Ghost, 8:45 A. M., Church of the
Most Holy Name of Jesus;
University Convocation, 11:00 A. M.,
Holy Name School Auditorium.
- Nov. 1, Friday.....Solemnity of All Saints.
- Nov. 20, Wednesday.....Mid-Semester Advisory Reports;
Thanksgiving Recess Begins After
Last Scheduled Class.
- Nov. 25, Monday.....Classes Resumed.
- Dec. 8, Sunday.....Solemnity of the Immaculate
Conception.
- Dec. 19, Thursday.....University Convocation, 11:00 A. M.
- Dec. 21, Saturday.....Christmas Vacation Begins After Last
Scheduled Class.
- Jan. 6, Monday.....Classes Resumed.

Second Semester

1941

Jan. 23, Thursday.....First Semester Examinations Begin.

Feb. 3, Monday.....Second Semester Begins.

Feb. 14, 15,

Friday, Saturday.....Examinations for Removal of First Semester Conditions.

Feb. 18, Tuesday.....University Convocation, 11:00 A. M.

Feb. 24, 25.

Monday, Tuesday.....Mardi Gras Holidays.

March 1, Saturday.....Theses Dues in Final Form from Candidates for Degrees to be Conferred in June, 1941; Annual Retreat for All Students.

April 5, Saturday.....Mid-Semester Advisory Reports.

April 9, Wednesday.....Easter Vacation Begins After Last Scheduled Class.

April 16, Wednesday.....Classes Resumed.

April 23, Wednesday.....University Convocation, 11:00 A. M.

May 20, Tuesday.....Second Semester Examinations Begin.

May 22, Thursday.....Ascension Day.

June 1, Sunday.....Baccalaureate Services, 10:00 A. M.

June 2, Monday.....Commencement Exercises, 8:00 P. M.

Jan. 10, 11, 12,

Tues., Wed., Thurs.....Registration for Summer Session.

June 13, Friday.....Convocation; Schola Brevis.

June 26, Thursday.....Latest Date for Applications of Candidates for Degrees to be Conferred in July, 1941.

July 30, Wednesday.....Commencement Exercises, Summer Session.

COLLEGE OF PHARMACY

Founded in 1900

Affiliated with the University in 1913

Admitted as a College of the University in 1919

Member of the American Association of Colleges of Pharmacy, 1921

Accredited by the American Council on Pharmaceutical Education, 1940

BOARD OF DIRECTORS

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Regent of College of Pharmacy

REV. GEORGE A. FRANCIS, S.J., Ph.D.,
Regent of College of Music

SCHOOLS AND COLLEGES OF THE UNIVERSITY

COLLEGE OF ARTS AND SCIENCES

Embraces the Departments of Biology, Chemistry, Business Administration, Education, Physical Education, English, History and Political Science, Journalism, Mathematics, Modern Foreign Languages, Philosophy, Physics, Religion and Sociology.

COLLEGE OF PHARMACY

SCHOOL OF DENTISTRY

SCHOOL OF LAW

COLLEGE OF MUSIC

OFFICERS OF INSTRUCTION

- John G. Arnold, Jr., Ph.D. 2328 Lowerline Street
Professor of Biology and Chairman of the Department (1934).—*Chancellor of the Honor Biology Society*; A.B., Ohio State University, 1930; A.M., Wesleyan University, 1932; Ph.D., New York University, 1934.
- Paul F. Bailey, B.S. 4610 Perrier Street
Associate Professor of Chemistry (1930).—B.S., Loyola University, 1926.
- C. Paul Barker, A.B., LL.B. 1224 Union Bldg.
Instructor in Pharmaceutical Jurisprudence (1936).—A.B., Loyola University, 1934; LL.B., *ibid.*, 1936; Member Louisiana Bar and American Bar Association; Member National Labor Relations Board, 1938.
- Joseph E. Bourque, Jr., Ph.D. 11 Marlborough Gate
Instructor in Physiology (1939).—B.S., University of New Hampshire, 1929; M.S., *ibid.*, 1930; Ph.D., Cornell University, 1939; member New Orleans Academy of Sciences.
- Rev. Joseph A. Butt, S.J., A.M. Thomas Hall
Associate Professor of Accounting (1929).—A.B., Gonzaga University, 1919; A.M., *ibid.*, 1920.
- Rev. Edward T. Cassidy, S. J., B.A., A.M., M.S., S.T.L. Thomas Hall
Professor of Pharmaceutical Latin (1937).—Regent of the College of Pharmacy, 1937; Chairman Department of Religion, 1938; Dean of Men, 1938; B.A., Gonzaga University, 1919; A.M., *ibid.*, 1920; M.S., Loyola University, 1924; S.T.L., Woodstock College, 1928.
- John V. Connor, Ph.D. 4133 Gen. Pershing Street
Professor of Economics and Chairman of the Department (1927).—A.B., St. Viator's College, 1922; A.M., Catholic University, 1924; Ph.D., *ibid.*, 1926; Moderator, Commerce Club, 1935.
- Helen L. Creech, B.S. in Phar., M.S. 7503 Hampson Street
Instructor in Pharmacy and Chemistry (1939).—B.S. in Phar., Purdue University, 1937; M.S., *ibid.*, 1938; Sigma Xi; Registered Pharmacist, Indiana, 1937; member A. Ph. A.
- Harry T. Fleddermann, B.S., B.M.E. 6315 Barrett Street
Assistant Professor of Physics (1932).—B.S., Spring Hill College, 1929; B. of M. E., University of Detroit, 1931.
- Rev. George A. Francis, S.J., Sc.D. Thomas Hall
Professor of Chemistry, Chairman of the Department (1922).—A.B., Woodstock College, 1918; A.M., St. Louis University, 1919; Sc.D., Fordham University, 1922.
- John J. Grasser, Ph.G., Ph.C. 1234 St. Andrew Street
Professor of Pharmacy and Pharmaceutical Arithmetic (1919).—B.S., Taylor University, 1894; Ph.G., New Orleans College of Pharmacy, 1902; Ph.C., *ibid.*, 1904; Assistant City Chemist, 1903-1906; Analytical and Consulting Chemist, 1906-1908; Professor of Pharmacy, New Orleans College of Pharmacy, 1908-1917; member Chemical Warfare Service, 1917-1918; Dean, Loyola College of Pharmacy, 1919-1932; member USP-X, 1924; American Chemical Society; Registered Pharmacist, Louisiana, 1902; A. Ph. A.; L. S. P. A.

Edward J. Ireland, A.B., B.S. in Phar., M.S., Ph. D.

5321 Prytania Street

Professor of Pharmacognosy and Pharmacology (1939).—A.B., University of Wisconsin, 1926; B.S., in Phar., *ibid.*, 1929; M.S., *ibid.*, 1930; Ph.D., *ibid.*, 1935; member Rho Chi; Phi Sigma; Sigma Xi; Registered Pharmacist, Wisconsin, 1928; member A. Ph. A.; Florida and Wisconsin Academy of Science; N. F. VI Committee.

Theodore F. Kirn, M.D.

3310 Cleveland Avenue

Instructor in First Aid (1939).—M.D., Tulane University, 1913; member Orleans Parish Medical Society; Louisiana State Medical Society; Southern Medical Society; American Medical Society.

Albert P. Lauve

1138 Webster Street

Special Lecturer and Instructor on Hospital Pharmacy Procedure (1939).—Registered Pharmacist, Louisiana, 1912; member A. Ph. A.; past president L. S. P. A. (1938); special studies in medical and biological sciences completed at Louisiana State University, 1937-1940; chief pharmacist Charity Hospital, New Orleans.

John F. McCloskey, B.B.A., R.Ph.

2935 Calhoun Street

Dean, College of Pharmacy and Instructor in Pharmacy (1932).—B.B.A., Tulane University, 1925; Registered Pharmacist, Louisiana, 1927; Instructor in Economics, Loyola University, 1929-1932; member N. A. R. D.; L. S. P. A.; A. Ph. A.; retail pharmacist and store owner, 1912-1916, 1926-1935.

Rev. Karl A. Maring, S.J., Ph.D.

Thomas Hall

Professor of Physics and Chairman of the Department (1933).—A.B., Woodstock College, 1915; A.M., *ibid.*, 1916; Ph.D., St. Louis University, 1932; member of the American Mathematical Society; Board of Southern Intercollegiate Mathematical Association; Vice-President, Louisiana Academy of Science.

Edmond L. Merill, M.S.

2219 Pine Street

Associate Professor of Biology (1924).—B.S., Spring Hill College, 1917; M.S., Loyola University, 1923.

Rev. Louis G. Soniat, S.J., A.M.

Thomas Hall

Professor of French (1935).—A.B., Gonzaga University, 1925; A.M., *ibid.*, 1926; Instructor in English, University of Tientsin, China.

Louis A. Wilson, B.S. in Phar.*

6242 Magazine Street

Instructor in Pharmacy and Chemistry (1938).—B.S. in Phar., Loyola University, 1938; member Blue Key, Alpha Sigma Nu, Theta Beta, Louisiana State Pharmaceutical Association; American Pharmaceutical Association; Registered Pharmacist, Louisiana, 1938.

M. F. Wilson, M.D.

4709 Painters Street

Special Lecturer on Serums and Biological Products (1929).—M.D., Tulane University, 1903; member of New Orleans and Louisiana State Medical Societies.

*Leave of absence, advanced studies.

GENERAL STATEMENT

History The College of Pharmacy was originally the New Orleans College of Pharmacy and was incorporated under that name May 14, 1900.

In 1913 it became affiliated with Loyola University.

In May, 1919, the New Orleans College of Pharmacy with all its rights and privileges was taken over by Loyola University.

Since the founding of the College more than 625 students have graduated and are pursuing the professions of pharmacy, medicine, dentistry and teaching. Among these graduates are our leading men in Louisiana.

Location The College of Pharmacy is situated on the University campus at 6363 St. Charles Avenue, opposite the picturesque Audubon Park, and in the heart of the residential section.

Buildings and Equipment The College occupies ample and extensive quarters in Bobet Hall on the University grounds, the whole fourth floor being set aside for this purpose. Besides, Pharmacy students have the use of equipment in the general chemistry and bacteriological laboratories on the third floor and the quantitative laboratory. There are chemical, pharmaceutical, and research laboratories, each of which is equipped with the latest appliances and apparatus for doing high-grade work. Each department of the College of Pharmacy has its own lecture room; all lecture rooms and laboratories are furnished with fans, steam heat, and electric light, and have been carefully arranged to afford the maximum of comfort and convenience to the faculty and the student body.

Library Besides the general University Library and the Students' Library, there is a special Pharmaceutical Library in the Pharmacy building for the use of the Pharmacy students. It is the desire of the faculty that the students accustom themselves to wide reading and research beyond their textbooks, so that besides their training in Pharmacy they may acquire a broad general culture, without which no one can be thought an educated man.



A CORNER OF THE PHARMACY LIBRARY

Museum Pharmacists of the state and vicinity are sending curios, such as old books, apparatus and other materials, which will be of pharmaceutical interest.

The value of such a museum is of great benefit to the student. Here he sees the evolution of his art, learns the type of apparatus formerly used, and is stimulated to undertake special research.

All such contributions will be prominently displayed and labeled with the names of the donors.

Aims and Purposes A recent survey of Pharmacy made by an impartial observer states that Pharmacy is without question a profession as well as a business. Recognizing the truth of this observation, our purpose is to give our graduates (1) sound instruction in the fundamental sciences with which a pharmacist has to deal, (2) thorough training along the practical lines of his profession, and (3) as broad a cultural background of general knowledge as is possible within the prescribed time. Such training should serve to give him high professional and business standing in the community.

The Four-Year Curriculum The College offers a four-year curriculum leading to the degree of Bachelor of Science in Pharmacy (B.S. in Phar.).

This curriculum prepares the student (1) for the duties of the retail pharmacist, (2) for such positions as those of hospital pharmacist and of analytical chemist in pharmaceutical and food laboratories, and (3) for employment in various branches of federal, state, and municipal service.

The courses offered in the curriculum include not only those of the fundamental sciences involved in the study of pharmacy, but also such as are of general cultural value. During the last two years the student may take four or more courses of elective work, which secure for him additional training in commercial management, analytical chemistry, manufacturing pharmacy, or botany. Students having the medical or dental profession in view may substitute courses in zoology and physics and thus prepare themselves for admission to a medical or dental school.

Reciprocity Graduates of this College who successfully pass the Louisiana State Board of Pharmacy examinations are entitled to practice Pharmacy without further examination in any

state whose board is a member of the National Association of Boards of Pharmacy.

Rating This College holds membership in the American Association of Colleges of Pharmacy, the object of which is to promote the interests of pharmaceutical education. All institutions holding membership in this association must maintain certain minimum requirements for admission and graduation. Through the influence of this association, higher standards of education have been steadily adopted. The fact that several states by law and state board rulings recognize its standards is evidence of its influence.

The College is accredited by the American Council on Pharmaceutical Education.

Employment While it may be the desire of many young persons who enter a pharmacy college to work part time during the course, we do not advise such procedure during the college year of the freshman or sophomore student. In the junior and senior years employment is possible, but to a limited degree.

Work during the summer vacation is beneficial and every effort will be made to secure such employment for those who request it.

Pharmacists desiring employees are requested to communicate with the Dean, who keeps a roster of pharmacists available for work.

The Louisiana State Board of Pharmacy requires two years of practical drug store experience as a prerequisite to examination, credit for one year being allowed for college training and experience.

Sodality of the Blessed Virgin Mary For the purpose of fostering religious faith and fervor, and to encourage ambitious boys to spiritual and scholastic leadership, the University Sodality offers many opportunities for personal development, as well as training and practice in social work and religious activity. Weekly meetings are held for the discussion of phases of Catholic life, and bi-weekly the Sodality gathers in Louise Thomas Memorial Chapel to recite the office of the Immaculate Conception and receive Holy Communion in a body.

Student Council The Student Council consists of twelve members, representing the College of Arts and Sciences and the Schools of Law, Dentistry, and Pharmacy. Three students are selected by the student body, with the approval of the Faculty, from each of these groups. The duty of the Council is to unify student thought and action. It conducts general meetings and elections, sponsors and manages interclass contests, helps the student publications, and leads and directs student activities.

Debating Club Students of the College of Pharmacy must participate weekly in exercises of public speaking. To further this activity among the students and to develop special oratorical talent, the Loyola University Debating Club has been formed, which conducts debates with colleges and universities in various sections of the country.

Thespians and Literary Society The purpose of the Thespians is to develop and give an outlet to the dramatic talent of the students. With this object in view, several plays are given during the year.

Glee Club Students of the College of Pharmacy are eligible for membership in the Loyola Glee Club. The Glee Club takes an active part in the public entertainments and assemblies of the University and has a schedule of concerts it gives each year for public receptions and for radio programs over the Loyola Broadcasting Station, WWL-CBS network.

University Band Membership in the University Band is open to the students of the College of Pharmacy if they have the required ability and training. All who become members are expected to be regular and prompt in attendance at the appointed rehearsals.

Student Publications The students of the University, under Faculty supervision, issue the *Maroon*, a weekly, the editors of which are appointed by the Faculty Director of Student activities, and they in turn appoint their editorial staff. The business management is in the hands of the students. Thus, their various duties in the editorial, reportorial, advertising, and subscription departments render them familiar with phases of life outside of college that will be of benefit to them in their future careers.

The students in the College of Pharmacy issue their own publication—*The Journal of the New Orleans College of Pharmacy*—every three months during the year. The students select their own editorial board, and, under Faculty supervision and in conjunction with the School of Journalism of the University, prepare each issue for distribution.

Scientific Societies The Student Branch of the American Pharmaceutical Association, chartered May, 1938, Biology, Chemistry, Physics, and Mathematics Societies meet regularly for the discussion of special problems and for special lectures on scientific subjects. The students of the College of Pharmacy are eligible to membership in these societies subject to the special requirements for admission to each respective society.

Fraternities Pharmacy students are eligible to membership in the honorary and the Greek letter fraternities that are active on the campus, such as Blue Key; S. A. K.; U. B. L.; A. D. G.; M. E. D.; Beggars. There are no specific pharmaceutical fraternities on the campus at present.

Prizes and Awards *The Dean John F. McCloskey Award*—A gold medal suitably inscribed is awarded to the Senior student who, in the opinion of the Dean and the Faculty, is qualified to receive it. The award is based on merits gained during the four years for attendance, deportment, application to study, grades attained, student activities, and professional attitude.

The award was merited as follows:

1938-1939—None.

The Louisiana State Pharmaceutical Association Prize—A gold medal is offered by the Louisiana State Pharmaceutical Association to the Senior student who makes the highest general average in pharmacy during the four years.

The award was merited as follows:

1938-1939—Miss Elsie R. Strain.

The I. L. Lyons & Co. Gold Medal—A gold medal is offered by I. L. Lyons & Co. to the Senior student who makes the highest general average in all subjects covered in the Senior year.

The award was merited as follows:

1938-1939—Wilbur A. Daspit.

Students' Retreat During three days of the second semester all Catholic students make the annual retreat, which is a character-building, spirit-strengthening series of intellectual and spiritual exercises. No Catholic student will be excused from the fulfillment of this duty, as it is a vital educational factor in character formation.

Student Expenses *Payments*—Laboratory fees must be paid at the beginning of the school year. The basic fee may be paid in two installments, but this must be done at the beginning of each semester.

Unless all indebtedness is promptly paid, the student will not be admitted to regular classes nor be allowed to take any examinations.

It is the duty of each student who applies for registration to come prepared to meet his financial obligations according to these rules. The University is unwilling to make exceptions for any student.

Students who live outside of New Orleans can obtain pleasant rooms in the neighborhood for from \$10.00 to \$15.00 per month. The University is equipped with a very fine modern cafeteria, where the students may take their meals at reasonable rates.

Refunds—In case a student withdraws from the College and makes application for refund during the first ten days of instruction as scheduled, the total amount of all fees paid less \$20.00 will be refunded. If application is made after this ten-day period and before the middle of the semester, a refund of one-half of the fees will be made. After this period, no refunds will be allowed.

No fees are refunded in case a student is suspended or dismissed for disciplinary reasons, or fails to pass in prescribed or elected courses.

List of Fees.

Basic fee for each scholastic year.....	\$175.00
For each laboratory science.....	25.00
Graduation	25.00

The basic fee includes matriculation, registration, tuition, subscription to the *Maroon* and *The Journal*, library privileges, admission to all athletic events, as well as the privilege of participating in athletics and full use of the gymnasium.

Laboratory fees cover the cost of all materials consumed in each laboratory in which pharmacy students do their work.

Graduation fee includes rental of cap and gown, diploma and graduation fee.

No breakage deposits are required, but each student will be charged with losses above a certain amount that is considered exceptional.

Combination locks are required for one desk, \$1.25.

Every student taking a first course in pharmacy will be furnished with a student kit for \$7.00. This kit contains supplies and equipment needed throughout the course, such as spatulas, weights, etc.

Individual lockers may be rented for \$2.00 per year.

A fee of \$2.00 will be charged for every examination taken out of course.

Under certain conditions a fee is charged for each course that is taken out of the regular pharmacy schedule.

When a student is obliged to repeat a course he will be required to pay a fee of \$10.00, and if the course involves a laboratory fee, this must be paid in addition to the first fee.

A fee of \$5.00 will be charged for late registration.

One dollar will be charged for a second transcript of credits.

A course that requires only one semester of laboratory work will incur only half of the regular science fee.

Text-Books—This cost cannot be estimated exactly, but the student should be prepared to meet this expense, which may approximate an average of \$25.00 per year.

Entrance Procedure Applicants for admission to the Freshman class as candidates for a degree must be at least *seventeen years old*, must be of good moral character, and present evidences of the satisfactory completion of four years of high school work or its equivalent.

The entrance requirements and class instruction in this College are on the same basis as those in the other colleges and schools of the University.

At least fifteen standard high school units are required, of which *three* units must be in English *two* units in Mathematics, and *one* unit in Natural Science. The remaining nine units must be chosen from the list of elective units, with this double limitation: that of these electives, not more than three units in vocational subjects will be accepted, and no credit will be allowed for less than two years in any foreign language.

Blank forms for these certificates will be supplied by the Registrar upon application.

Matriculation books will open for the coming session in September. It is recommended that applicants have their credentials sent to the Registrar immediately after graduation from high school. This will enable the Faculty to pass on their eligibility and to inform them of any deficiencies that must be made up in Summer School.

All students are expected to be matriculated before the opening of the session, thus allowing ample time to be assigned to class and provided with laboratory outfit.

Students must be present on the opening day of classes and will not be admitted under any circumstances after the first ten days.

Methods of Admission *I. As a Regular Student**—Admission as a matriculated student to the College of Pharmacy may be obtained by one of the following methods: (1) by certificate or diploma of graduation from an approved high school; (2) by examination; (3) by probation; (4) by transfer from another institution of higher learning.

1. *Admission by Certificate*—Admission without examination on certificate is granted to students from secondary schools accredited by any recognized standardizing agency, or by the State Board of Education, or by the State University of the state in which the high school is located.

2. *Admission by Examination*—An applicant who is not entitled to enter on certificate must take the entrance examinations in the following subjects: English, History, Language, Mathematics and Science. These examinations are held on September 12. Applications for these examinations should be made

*A matriculated student is one who has fulfilled all entrance requirements, paid all his fees, and is pursuing regular courses leading to a degree.

to the Registrar of the University at least two weeks in advance of the opening date. The fee for such examinations is \$2.00 each.

3. *Admission by Probation*—An applicant who has graduated from a four-year, non-accredited high school will be admitted without examination on probation for one semester on the special recommendation of the principal, provided the applicant, in his high school course, has fully completed the required units for admission to the University and has maintained an average of 10 per cent above the passing mark.

4. *Admission to Advanced Standing*—Advanced standing will be given, at the discretion of the Committee on Undergraduate Studies, to an applicant who fulfills the high school requirements for admission and who presents a transcript from the proper official of another institution of accredited collegiate rank. Such credits are granted conditionally and will become final only after the student does satisfactory work.

Students applying for advanced standing should have a full transcript of their credits sent to the Registrar of the University in advance of their registration.

II. As a Special Student—Mature students who cannot meet the regular entrance requirements of the University may be admitted under the following conditions:

1. They must be at least twenty-one years of age.

2. A student from an accredited high school will not be admitted to the classification of a special student if he has been in attendance in the high school during the previous year.

3. All available certified credits for previous school work must be submitted to the Registrar and an application blank for admission as a special student filled out, giving, in addition to other information, the kind of work desired, the reasons for desiring such work, and, when no credits can be presented, a detailed statement of any previous educational work and practical experience.

4. By virtue of his classification, a special student is not eligible for any degree. He may ultimately become a candidate for a degree, however, by completing the admission requirements of the department in which he is registered.

5. Registration as a special student is for one semester only. Registration for a following semester will be refused if the student has not shown satisfactory earnestness and definiteness of purpose, or if his work has not been satisfactory in the first semester of his admission to the University.

6. No one may register in the University as a special student for more than two years.

Admission *Regular Students*—A candidate for admission **Requirements** shall offer fifteen units of credit by examination or by certificate from an approved high school from which he has graduated.

Application for admission accompanied by proper credentials shall be filed with the Registrar at least two weeks in advance of the date of registration. Applications and credentials presented later than two weeks before the opening of the semester will not be considered except by special action of the Committee on Admission. It is obligatory to submit, on entrance, official records from all schools previously attended. These credentials are to be sent directly by the proper officer of the school in which they were earned and not through the student. Credentials which are accepted for admission become the property of the University and are kept permanently on file. Blank forms for entrance certificates may be had on application to the Registrar.

The University reserves the right to refuse admission to applicants whose preparatory work is of such a grade as to create doubt regarding their ability to pursue college work successfully.

In order to ascertain the ability of applicants, each Freshman desiring to enter the College of Pharmacy will be required to take the placement tests held on the first day of registration. Tests are held in English, Mathematics, and Sciences. A fee of one dollar is charged for these tests.

Admission Preparation qualifying for admission to **Units** university courses is expected to cover normally a period of four years in a secondary school (high school or academy). Admission credits are stated in terms of units. A unit represents a year's study in any subject in a secondary school, constituting approximately a quarter of a full year's work. Two hours of laboratory work are equivalent to one hour of prepared classroom work.

Not more than four units are accepted in any one subject. Candidates offering only one foreign language must have at least two units in that language. They must offer two units in one foreign language before one unit in another foreign language may be accepted.

Subject The major portion of the high school course
Requirements offered for admission should be definitely correlated with the curriculum to which the student seeks admission.

1. The following units are required:

	Units
English	3
Mathematics	2
History	2
Latin or Modern Language.....	2
Laboratory Science	1
(Physics, Chemistry, Botany, or Zoology)	

2. In addition to the units required under 1, a sufficient number of units to make a total of fifteen must be offered from the following groups, with the exception that not more than *three* units may be offered from Group B and not more than one unit from any single subject in this group.

GROUP A

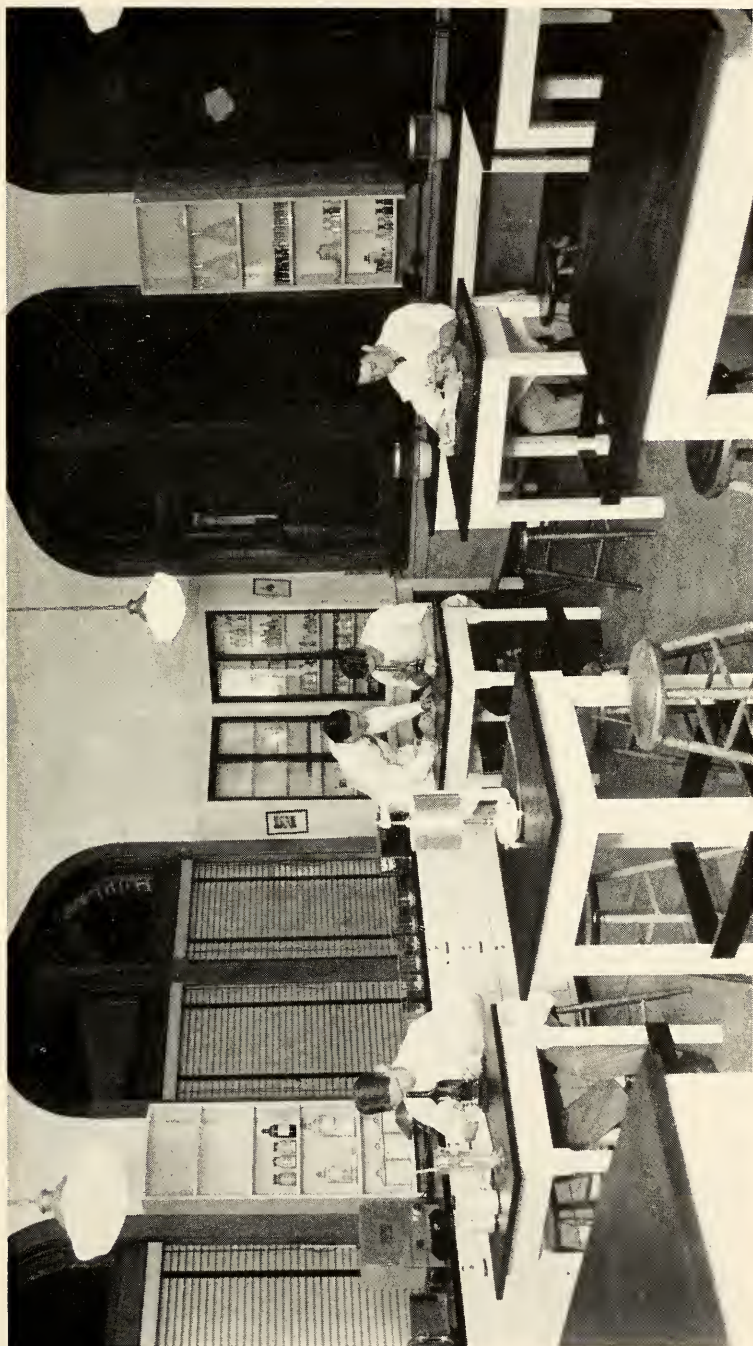
Units	Units
English	1
Latin	1 - 4
Greek	1 - 4
French	1 - 4
German	1 - 4
Spanish	1 - 4
History	1 - 3
Civics	$\frac{1}{2}$ - 1
Economics	$\frac{1}{2}$ - 1
Algebra, Advanced	$\frac{1}{2}$
Solid Geometry	$\frac{1}{2}$
Trigonometry	$\frac{1}{2}$
Botany	$\frac{1}{2}$ - 1
Chemistry	1
Biology	1
General Science	$\frac{1}{2}$ - 1
Physics	1
Physiology	$\frac{1}{2}$
Zoology	$\frac{1}{2}$

GROUP B

Units	Units
Bookkeeping	1
Commercial Law	$\frac{1}{2}$
Commercial Arithmetic.....	$\frac{1}{2}$
Commercial Geography.....	$\frac{1}{2}$
Drawing	1
Music	1

Advanced Standing Students from other colleges having standards equal to those of Loyola University and the New Orleans College of Pharmacy will be admitted without examination to advanced standing after satisfying these conditions:

1. The courses taken must be equivalent to the courses of this College.



A PHARMACOLOGY LABORATORY

2. They must have clear records for the year or years in which they claim credit.

3. They must have maintained scholarship records satisfactory to the Committee on Admission.

4. Certificate of honorable dismissal and an official transcript of the students' records must accompany application for transfer to this College.

5. The application must be submitted before the opening session of the College.

Applicants for advanced standing will be subject to the general admission rules which govern the enrollment of first-year students.

Admission of Women It is becoming daily more recognized that women possess peculiar fitness for the study and practice of Pharmacy. Accordingly, the number of those engaged in the profession is constantly increasing. Hence, women are admitted to all classes upon equal terms with men.

ADMINISTRATIVE PROCEDURE

The College Year Instruction begins in the third week of September on the day specified in the Calendar. Instruction includes thirty-four weeks, divided into two semesters of seventeen weeks each. There is a recess at Christmas and at Easter. Instruction is suspended on legal holidays, and on holy days of obligation observed in the Catholic Church.

Instruction The unit of instruction is one hour a week for one semester. Two hours of work in the laboratory are considered equivalent to one hour of recitation. Students may receive credit only for the number of hours published with a course. No credit will be allowed for a course for which a student is not regularly registered.

Attendance as auditors is not granted to regular students without written permission of the Dean.

Withdrawal A student withdrawing from the College during any semester, or before the final examination, forfeits credit for work done in that semester. Students who withdraw from a course without permission of the Dean are recorded as having failed in the course. A student may be requested to withdraw because of ill health or for failure to keep up in scholastic work.

Honorable Dismissal It is required as a condition of honorable dismissal that students who wish to withdraw from the University shall obtain permission to do so on blanks furnished by the Registrar.

Attendance All students must attend assemblies, classroom and laboratory exercises regularly. They will be charged with all absences except such as are incurred through University action. Students who are absent from exercises the day preceding or the day following any college recess or vacation will be marked with two absences for each exercise missed, unless permission has been previously asked for in writing and granted by the Dean.

A student will be dropped from a course when the number of his absences in the course in a semester equals three times the number of weekly periods of the course.

Cases of absences due to serious illness or other extraordinary causes must be referred to the Faculty Committee on Discipline.

Absence from a test that has been duly announced will be marked as two absences in that subject, unless a satisfactory excuse has been previously approved by the Dean.

Excused absences do not exempt from tests, quizzes, or written work required during the period of absence. The responsibility for making up work or taking omitted tests rests wholly upon the student, and he should arrange with the professor for taking these tests, etc. Failure grade will be given where this is neglected.

If a student is tardy three times in the same subject course or tardy once for more than fifteen minutes, he incurs an absence.

Discipline The educational system of this University includes, as one of its most important features, the formation of character. It is expected that each student will be so loyal to the spirit and ideals of his Alma Mater that the exercise of proper self-control will come from his own convictions and free determination.

The College rules and regulations are meant as a guide and help to foster that gentlemanly conduct which is presupposed in every Loyola student. *These rules require regular and punctual attendance at all scheduled exercises, obedience to college customs and regulations, serious application to study, and*

blameless conduct. A student who shows himself deficient in these essential points will be suspended or dismissed.

The College reserves the right to dismiss at any time a student who fails to give satisfactory evidence of earnestness of purpose and of interest primarily in the serious work of college life.

Health Each student must present himself to the Department of Health Service for a medical and dental examination at the opening of school. Record cards indicating defects, weaknesses, etc., will be kept and the student will be advised as to the proper methods of removing these obstacles to health and improving his physical condition.

Each student must be vaccinated before admission unless he can furnish proof that he has been vaccinated recently.

Examinations Semester examinations in all subjects are held. Written tests and weekly quizzes may be given at the discretion of the professors. The result of the examinations, combined with the grade for the student's class and laboratory work, will determine the final or passing grade for the semester. A student who has failed to take tests or quizzes or to hand in his assigned work will be given an incomplete grade.

The passing grade in the College of Pharmacy is D. The student attaining this grade or above receives credit for the number of semester hours allowed for that portion of the course.

A grade of **E** represents a condition. This condition may be removed by examination. Only one such examination is allowed, and only on the day assigned by the Dean. If the student is successful in the examination, he receives the full credit of semester hours, but the highest average allowed for his permanent record for this subject is D. If the student fails in the examination, the condition becomes a failure, and the course must be repeated. If a student refuses to take the condition examination, he must repeat the semester in which the condition was incurred, and he must pay an extra course fee.

Students absent from any examination, unless for the very gravest of reasons, approved by the Dean, will receive a failure grade in that course.

For each condition examination, and for each regularly scheduled examination taken out of course, a fee of \$2.00 will be charged.

Reports Reports containing a record of the class standing and attendance are sent to parents or guardians. Special reports are made when it is deemed advisable, or upon special request.

Grades are reported as follows:

A, Excellent (92-100); B, Very Good (85-92); C, Good (80-84); D, Satisfactory (75-79); E, Condition; F, Failure; I, Work Incomplete; X, Absent; W, Withdrew Officially; WU, Withdrew Unofficially.

Classification of Students Those students are ranked as sophomores who have at least thirty-two credit hours and as many quality points and have completed the prescribed courses of the freshman year; juniors, those who have sixty-four credit hours and as many quality points and have completed the prescribed courses of the sophomore year; seniors, those who have one hundred and six credit hours and as many quality points and have completed the prescribed courses of the junior year. This classification is made in the Registrar's office at the end of each year, and is revised at the beginning of each semester.

Students not included under the above classifications are rated as unclassified.

Scholastic Standing A student, to be scholastically eligible to progress in his course, must pass two-thirds of the credit hours carried in each term. Failure to pass in the required number of hours will result in the student being dropped for scholastic deficiencies.

A student who fails in one-third or less of the credit hours carried may be placed on *probation* for the next term if his general average of grades shows a general weakness.

Students on probation carry a reduced schedule.

Eligibility Rules Students taking part in dramatic performances, public debates, oratorical or elocution contests, or intercollegiate athletic contests, and those who are appointed to staffs of the University publications as well as all officers of student organizations, are subject to the following eligibility rules:

1. They must be enrolled in at least twelve semester hours of work in regular or special courses as defined in the curriculum of the University;

2. They must have passed at least twelve hours of the work in which they were enrolled for the last semester in residence;
3. They must not be under official censure of any kind.

Requirements The degree conferred by this institution on **for Graduation** its graduates is that of Bachelor of Science in Pharmacy (B.S. in Phar.).

Candidates for graduation must have attended four full years of instruction in Pharmacy, the last year of which must have been spent at this College; and they must have attained the required percentage in the periodic or final examinations.

General Requirements—The conditions for the baccalaureate degree are the following:

1. The satisfactory completion of the four years' course leading to the degree for which the student is a candidate.

2. A written thesis of approximately 3500 words approved by the Dean of the College and presented on or before April 1 of the year in which the degree is expected to be conferred.

3. In order to be accepted in fulfillment of any requirement for a degree, all work must be completed with at least grade D, and the general average of the work must be of grade C or higher.

4. The payment of all indebtedness, including the graduation fee, in advance.

5. No student shall be considered a candidate for a degree if he has any deficiencies at the beginning of the second semester of his senior year.

6. All candidates must be present at the Commencement Exercises and receive their degree in person. No excuse outside of serious illness, attested by a reputable physician, will be accepted. The University will not confer degrees *in absentia*.

All applicants for a degree should file in the Registrar's office, on or before the date specified in the Calendar, of their senior year, a formal application for their degree.

I. Amount of Work—In order to receive a baccalaureate degree, a student is required:

1. To complete not less than 154 semester hours of work and to secure 154 quality points, that is, an average rating of C grade or better in all subjects.

2. A certain amount of prescribed work must be done. (See "Character of Work," pages 152-153.)

3. In selecting the elective work, the major and minor requirements must be kept in mind.

4. Free electives, which afford opportunity either for broader culture or for greater specialization, as the student may choose, must be taken for special types of work.

II. Quality of Work—A candidate for a degree must present not only the required quantity of work, but he must attain a certain standard of excellence in his work, especially in his major field. For this reason the candidate for a bachelor's degree must present, in addition to the 156 semester hours of credit, 154 credit points for quality of work, or an average mark in all subjects of C or better.

Credit points are earned in the following manner: For the grade of A in a given course, the student receives *three* times as many credit points as semester hours credit allowed for that course; for a grade of B, *twice* as many credit points as semester hours; for the grade of C, *just as many* credit points as semester hours. For the grade of D, quantity points are allowed, but no quality credit.

Graduation honors are computed according to the "quality point system." The points are assigned as follows: for each semester hour of grade A, plus 3 points; B, plus 2; C, plus 1; D, 0; E, minus 1; F, minus 2. The average is obtained by dividing the total number of points earned by the total number of semester hours carried.

A candidate who has made an average of 2.5 graduates "*Cum Laude*"; one who has made an average of 2.8, "*Magna Cum Laude*"; one who has made an average of 3, "*Maxima Cum Laude*." Record of these honors is inscribed on the diplomas and noted in the published lists of graduates for the Commencement Exercises.

III. Character of Work—By selecting the several courses in business administration, or certain elective courses in the sciences, the pharmacy student may prepare either for medicine, dentistry, retail pharmacy, for a laboratory position in a pharmaceutical or cosmetic manufacturing establishment, or for Federal, State, or Municipal services in the Public Health Department.

Course No. †	Description	HOURS PER WEEK			Semester Credit Hrs.
		Class	Lab.	Total Clock	
FRESHMAN YEAR					
Py. 101-102	Theory of Pharmacy I	3	0	3	6
Py. 103-104	Pharmaceutical Technique	0	3	3	2
Py. 105A	History of Pharmacy	1	0	1	1
Py. 106	Pharmaceutical Calculations	2	0	2	2
Pae. 102	Zoology	2	4	6	4
Ch. 101-102	Chemistry: General Inorganic	2	4	6	8
Cl. 101-102	English: Composition & Rhetoric	3	0	3	6
Cl. 103	College Algebra	3	0	3	3
Cl. 104	Trigonometry	3	0	3	3
SOPHOMORE YEAR					
Py. 213-214	Operative Pharmacy	2	4	6	8
Py. 215-216	Pharmaceutical Latin	1	0	1	2
Pas. 213	Drug Plant Histology	1	2	3	2
Pas. 214	Microscopy of Drugs	1	2	3	2
Pas. 215-216	Pharmacognosy	2	2	4	6
Pas. 203-204	Physiology	2	2	4	6
Cr. 211-212	Chemistry: Organic	2	4	6	8
Ba. 201-202	Principles of Economics	3	0	3	6

*All Catholic students will take Religion.

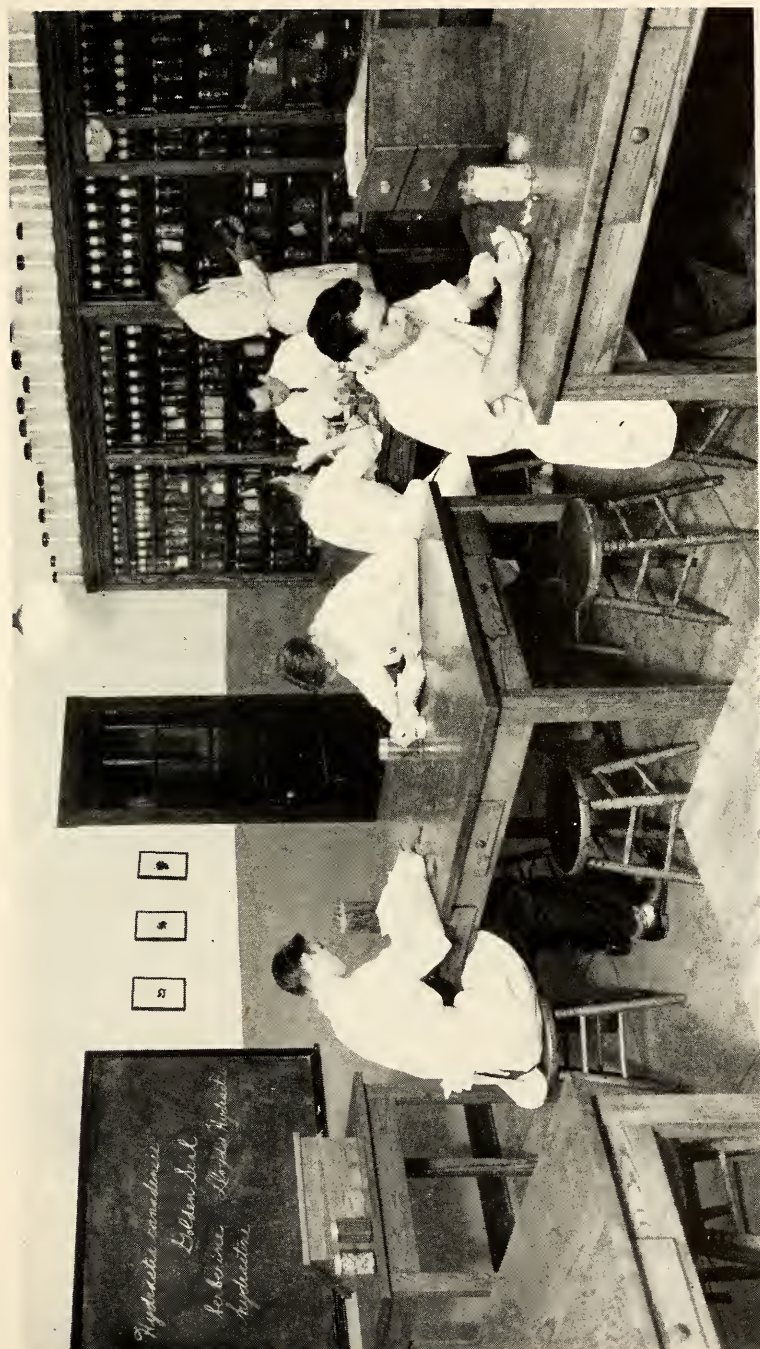
†Odd numbers indicate first semester courses; even numbers indicate second semester courses.

Course No. †	Description	HOURS PER WEEK			Semester Credit Hrs.
		Class	Lab.	Total Clock	
JUNIOR YEAR					
Py. 311-312	Dispensing Pharmacy	2	4	6	8
Py. 305B	History of Pharmacy	1	0	1	1
Py. 331-332	Theory of Pharmacy II	3	0	3	6
Pas. 315	Bacteriology	3	4	7	5
Pas. 311-312	Pharmacology I	2	0	2	4
Ch. 311-312	Chemistry: Qual.-Quan.	1	4	5	6
Ba. 315-316	Salesmanship in Pharmacy	2	0	2	4
Ba. 312	Accountancy	2	2	4	3
Cl. 313-314	French or				
Cl. 315-316	German	3	0	3	6
Elective Subjects					
Cl. 311-312	Physics, General	3	4	7	10
SENIOR YEAR					
Py. 411-412	Dispensing Pharmacy	1	2	3	4
Py. 413-414	Pharmaceutical Jurisprudence	1	0	1	2
Py. 415-416	Advanced Pharmacy	1	2	3	4
Pas. 411-412	Public Health Studies	1	0	1	2
Py. 417-418	Hospital Pharmacy	1	2	3	4
Pas. 413-414	Pharmacology II	1	6	7	8
Ch. 411-412	Pharmaceutical Chemistry	2	4	6	8
Ba. 413-414	Retail Store Management	2	0	2	4
	Thesis				
Elective Subjects					
Pas. 417	Biological Assays	2	4	6	4
Ch. 413	Biochemistry	2	2	4	6
Py. 420-421	New and Non-Official Remedies	0	2	2	2
Cl. 430	Scientific German or French	3	0	3	6

*All Catholic students will take Religion.

RECAPITULATION OF CLOCK HOURS FOR THE B.S. IN PHAR. FOR RETAIL DRUG STORE WORK

	Fresh- man	Sopho- more	Junior	Senior	Total
Pharmacy (Py.)	240	224	304	320	1088
Pharmacology & Allied Sciences (Pas.)	96	352	176	256	880
Chemistry (Ch.)	192	192	160	192	736
Cultural (Cl.)	192	0	96	0	288
Business (Ba.)	0	96	128	64	288
Total	720	864	864	832	3280
Semester Hours Required	35	40	43	36	154



A PHARMACOGNOSY LABORATORY

DEPARTMENTS OF INSTRUCTION

The courses of instruction are listed and described after the main departmental groupings. Throughout this bulletin the various departments are designated as follows:

Pharmacy.....	Py
Pharmacology and Allied Sciences.....	Pas
Chemistry.....	Ch
Cultural Subjects.....	Cl
Business Administration.....	Ba

The courses of instruction are numbered in accordance with the following plan:

(a) Lower division courses are numbered from 101 to 199, for Freshmen; and from 201 to 299, for Sophomores.

(b) Upper division courses are numbered from 301 to 399, for Juniors; and from 401 to 499, for Seniors.

Odd numbers indicate courses given in the first semester, from September to January; even numbers indicate those given in the second semester, from January to May.

Each course number is preceded by its departmental designation.

The courses of instruction followed adhere as closely as possible to the *Pharmaceutical Syllabus*, recommended by the National Committee representing the Boards and Colleges of Pharmacy of the United States.

Beginning September, 1932, the courses of instruction in this institution were divided into four years, leading to the degree of Bachelor of Science in Pharmacy (B.S. in Phar.).

DEPARTMENT OF PHARMACY

John F. McCloskey John J. Grasser Louis A. Wilson
Helen L. Creech C. Paul Barker
Rev. Edward T. Cassidy, S.J.

Py. 101-102 Theory of Pharmacy I General definitions of Pharmacy and a survey and correlation of the studies in pharmacy; consideration of pharmacopoeias and formularies of official character and important unofficial works; discussion of various textbooks and special reference books in Pharmacy. The technical operations are fully explained. 6 sem. hrs.

McCloskey.

Py. 103-104 Pharmaceutical Technique This course parallels the first course in Theory in order to supply adequate laboratory experience with the apparatus used in Pharmacy. The general outline of the course embraces weights and measures, solutions, crystallization, percolation, filtration, maceration, and other operations used in Pharmacy. 2 sem. hrs.

Wilson.

Py. 105A History of Pharmacy The development of pharmaceutical apparatus and customs; the history of chemical and pharmaceutical nomenclature; an orientation course to imbue the young student with the fine ideals and background of the profession and to stimulate interest and create an esprit de corps for the group.

Py. 305B Early discoveries; modern developments; current trends; biographical sketches of old and modern leaders in the profession of pharmacy. 2 sem. hrs.

McCloskey.

Py. 106 Pharmaceutical Calculations Explanations and problems covering weights and measures; relationship of systems; specific gravity; specific volume; reducing and enlarging formulae; concentration and dilution; alligation; percentage and saturated solutions; thermometric scales; and problems based on chemical reactions. 2 sem. hrs.

Grasser.

Py. 331-332 Theory of Pharmacy II The student is prepared to study the pharmacy of the organic and inorganic compounds. Particular stress is given to the official status, nomenclature, uses and preservation of these compounds. A study

of the halogens, gases, sulphur, inorganic acids, iron, etc., also the starches, alcohols, oils, resins. product of distillation, alkaloidal and animal drugs.

6 sem. hrs.

Wilson.

Creech.

Py. 213-214 Operative Pharmacy Deals entirely with the production and compounding of medicinal and pharmaceutical preparations. The course embraces all the U. S. P. and N. F. preparations by type examples, particular attention being devoted to the syrups, tinctures, mixtures, powders, fluid extracts, suppositories, ointments, tablets, pills, infusions, etc. All solutions in which chemical reactions are involved and all official preparations which require a knowledge of chemistry for their preparation are stressed.

8 sem. hrs.

Grasser.

Py. 215-216 Pharmaceutical Latin This course is so designed that a student without a previous knowledge of Latin is taught the fundamental principles governing the language. The student readily becomes familiar with the Latin of the Pharmacopoeia and other works as well as gaining proficiency in translating, interpreting and deciphering prescriptions. The Latin abbreviations used in pharmacy are fully covered.

2 sem. hrs.

Fr. Cassidy.

Py. 311-312 Dispensing Pharmacy I A thorough study of prescription practice with emphasis on the discussion of incompatibility of official drugs and preparations. Practice in reading type prescriptions taken from drug-store files. The object of the course is to teach the student the proper methods of compounding the prescriptions and formulae encountered in the retail store.

8 sem. hrs.

McCloskey.

Wilson.

Py. 411-412 Dispensing Pharmacy II A continuation of Course I, with emphasis on the every-day problems of a retail pharmacist in dispensing of medicines. The course prepares the student to enter the field as an experienced dispenser.

4 sem. hrs.

McCloskey.

Py. 413-414 Pharmaceutical Jurisprudence The more important laws pertaining to Pharmacy are emphasized. Brief resumes are given of the commercial aspects of the laws as they relate to contracts, insurance and liabilities, negligence of employees, etc. A study of the regulations set down in such laws as the Public Health, Postal, Pharmacy Acts, Fire Department Regulations, Poison, Food and Drug, Liquor and Narcotic, Sales Tax, etc.

2 sem. hrs.

Barker.

Py. 415-416 Advanced Pharmacy The first semester covers such work as milk analysis, comprising determination of reactions, specific gravity, fats, added water, preservatives, etc. The course in Urinalysis embraces all the essentials for a complete report, both quantitative and qualitative, and comprises determination of specific gravity, reaction, sugar, albumen, acetone, bile, phosphates, etc. The second semester covers the various tests of the official standards as applied to vegetable and animal drugs.

4 sem. hrs.

Grasser.

Py. 417-418 Hospital Pharmacy This course gives practical instruction in compounding, dispensing, manufacturing, sterilization and administrative duties as practiced in a modern, large hospital.

4 sem. hrs.

Lauve,

Creech.

Py. 420-421 New and Non-Official Remedies A detailed study of the most important new and non-official preparations employed in modern prescription practice. Laboratory.

2 sem. hrs.

Ireland.

DEPARTMENT OF PHARMACOLOGY AND ALLIED SCIENCES

E. J. Ireland

John J. Grasser

Joseph E. Bourque

Theo. F. Kirn

Edmond Merilh

M. F. Wilson

John G. Arnold, Jr.

Pas. 102 Zoology: Animal Life A study of the structure, functions and relationships of animal organisms. An intensive study of the cell: structure, divisions, germinal cell, maturation, fertilization and cleavage. The course is so designed as

to give the student a basic foundation leading to a more comprehensive understanding of the later study of Physiology.

4 sem. hrs.

Arnold.

Pas. 203-204 Physiology The course in Physiology is designed primarily as a preparation for the subsequent study of Materia Medica and to aid the student in his work as a pharmacist. The following topics are treated: living matter, the skeleton, joints, the blood circulation, respiration in lungs and tissues, food, the digestive system, digestion, absorption, excretion by kidney, skin, lungs, etc.; muscles, the skin, the nervous system, special senses, the eye, the ear, etc., common injuries and inflammations, bacteria, disinfection, sterilization, antitoxins, etc.; common germ infections.

6 sem. hrs.

Bourque.

Pas. 213 Drug Plant Histology A microscopical study of the internal structure of medicinal plants, consisting of types of tissues and their cellular elements used as diagnostic characters in identification and detection of adulterations.

2 sem. hrs.

Ireland.

Pas. 214 Microscopy of Drugs A study of microscopical structures and cellular characteristics of types of drugs, together with methods of identification of powdered drugs and food products and their adulterants.

2 sem. hrs.

Ireland.

Pas. 215-216 Pharmacognosy A study of the source, economics and systematic classification of the more important drugs of interest in commercial and professional practice.

6 sem. hrs.

Ireland.

Pas. 311-312 Pharmacology I A study of the physical, chemical, physiological and therapeutic properties of important official drugs which have been classified according to their therapeutical uses.

4 sem. hrs.

Ireland.

Pas. 315 Bacteriology This course comprises the study of the morphological and biological characteristics of the pathogenic and non-pathogenic bacteria. Methods of preparing, cultivating and identifying bacteria are carefully studied, various methods of sterilization are discussed and demonstrated, and the preparation and standardization of vaccines and anti-toxins receive careful consideration. Immunity and its various types are studied together with the technique of serum reactions. 5 sem. hrs.

Merilh.

Pas. 411-412 Public Health Studies Included in this general course are the required lectures and demonstrations to qualify for credit for Junior First Aid of the American Red Cross. There is also a series of ten lectures with demonstrations involving prevention and control of the contagious diseases. The course is completed with a series of twelve lectures and laboratory experiments on the classification of insects, importance of insecticides, the control of pests and preparation, use and sale of insecticides, fungicides, parasitocides and rodenticides. 2 sem. hrs.

Kirn.

Wilson.

McCloskey.

Pas. 413-414 Pharmacology II The course comprises the study of the toxicology, posology, and therapeutics of important toxic medicinal agents affecting the various physiological systems of the body, and a study of the pharmacological action of the more important official and non-official drugs. Laboratory animal experiments comprise the major part of the study. 8 sem. hrs.

Ireland.

Pas. 417 Biological Assays The emphasis in this course is placed on the study of biological assay methods employed in standardization of official drugs and preparations. 4 sem. hrs.

Ireland.

DEPARTMENT OF CHEMISTRY

Rev. George A. Francis, S.J.

Paul F. Bailey

John J. Grasser

Helen L. Creech

Louis A. Wilson

Ch. 101-102 Chemistry: General Inorganic The fundamental principles of chemistry, definitions of elements, atoms, molecules, acids, bases, salts, explanation of the ionic theory, chemical and physical laws. The study of the elements is followed by a consideration of the compounds. 8 sem. hrs.

Bailey.

Ch. 211-212 Chemistry: Organic This course includes a study of the source of organic compounds, their properties, purification, proximate and ultimate analysis, determination of melting and boiling points, homology, isomerism, destructive distillation, combustion, decay, fermentation, determination of formulae, classification of the organic substances. 8 sem. hrs.

Fr. Francis.

Ph. Chem. 311 Inorganic Qualitative Analysis Detailed study of the separation of and tests for the common cations and anions. Laboratory work includes thorough practice in the analysis of unknowns. This course serves as a foundation for the study of inorganic dispensing pharmacy. Prerequisite courses: Chem. 101-102, Chem. 211-212. 3 sem. hrs.

Creech.

Ph. Chem. 312 Inorganic Quantitative Analysis This course covers the principles and practice of volumetric and gravimetric analysis. Special attention is given to pharmaceutical products and procedures. Prerequisite courses: Chem. 101-102, Chem. 211-212, Ph. Chem. 311. 3 sem. hrs.

Creech.

Ch. 411-412 Prerequisite courses: Chem. 101-102, Chem. 211-212, Chem. 311-312. Lectures in this course review general chemical theories, manufacturing procedures, and analytical techniques. Laboratory includes the preparation of official materials, analysis of U. S. P. and N. F. products, and special U. S. P. procedures of assay. 8 sem. hrs.

Creech.

Grasser.

Ch. 413 Biochemistry A brief review of General Chemistry, Qualitative and Quantitative Analysis, and Organic Chemistry, together with a general survey of the more important mathematical and physical facts essential to the pursuit of this field of Chemistry. This is followed by a study of the chemical constituents of the body and the chemical reactions involved in and essential to life. 3 sem. hrs.

DEPARTMENT OF CULTURAL SUBJECTS

Rev. Louis G. Soniat, S.J.	Walter E. von Kalinowski
Rev. Karl A. Maring, S.J.	Harry T. Fleddermann
Emil L. Telfel	M. Daniel Horne

Cl. 001 English Composition A course devoted to practice in *correct* writing. This is a laboratory course conducted one hour a week and required of all Freshmen. Upper classmen who are deficient in oral or written composition may be obliged to follow this course. 0 sem. hrs.
Telfel.

Cl. 101-102 English: Composition and Rhetoric Principles of *effective* writing. Exercises in précis work, essays, speeches. Principles of *artistic* writing. Exercises in narrative and descriptive forms, and the familiar essay. 6 sem. hrs.
Horne.

Cl. 103 College Algebra Progressions, binomial theorem, logarithms, interest, choice, chance, series, variables, determinants, etc. A brief course for pre-medical students. 3 sem. hrs.
Fleddermann.

Cl. 104 Plane Trigonometry Trigonometric functions of acute angles; use of the table of natural functions; logarithms; the right triangle; trigonometric functions of any angle; functions of the sum or the difference of two angles; the oblique triangle; graphs of functions; trigonometric identities and equations; applications of Trigonometry to Algebra. 3 sem. hrs.
Fleddermann.

Cl. 001 French: Elementary Fundamentals of grammar, careful drill in pronunciation, emphasis on the inflection of the verb, writing from dictation, general syntax. 6 sem. hrs.
Fr. Soniat.

Cl. 313-314 French: First Year College Drill in the French verb. Emphasis on the irregular verb. Thorough review of syntax, with emphasis on the moods and tenses. Drill in sentence and paragraph building.
6 sem. hrs.

Fr. Soniat.

Cl. 021 German: Elementary Fundamentals of grammar. Oral and written exercises. Readings, easy conversation.

6 sem. hrs.

von Kalinowski.

Cl. 315-316 German: First Year College Grammar review. Oral and written exercises. Reading of German prose fiction and scientific texts.

6 sem. hrs.

von Kalinowski.

Cl. 311-312 Physics: General The fundamental principles of mechanics, sound, and light. The principles of heat, magnetism, and electricity.

10 sem. hrs.

Fr. Maring.

DEPARTMENT OF BUSINESS ADMINISTRATION

John F. McCloskey

John V. Connor

Rev. Joseph A. Butt, S.J.

Ba. 201-202 Principles of Economics A survey of the more important problems arising under modern industrial conditions. Economic structures and functions. Value and prices. Supply and demand. Money and monetary systems. Credit and banking. Nature and scope of monopoly. Trusts. Production. Distribution. Consumption.

6 sem. hrs.

Connor.

Ba. 312 Accountancy Fundamental principles in their actual business application. Elements of single and double entry bookkeeping. Methods of recording and presenting facts. Opening and closing books. Laboratory problems.

3 sem. hrs.

Fr. Butt.

Ba. 315-316 Salesmanship in Pharmacy Relation of selling to Pharmacy. Motives for buying and analyses of customer habits. Suggestions and personality. Sales demonstrations. Practical observations in the field.

4 sem. hrs.

McCloskey.

Ba. 413-414 Retail Store Management This is a practical course covering the everyday problems of the owner or manager of a retail drug store. Purchasing, stock control, sales programs, and displays; relations with sources of supplies as well as banking connections and credit agencies are discussed. Frequent special lectures by men active in the retail field are given throughout the course. The student is required to present surveys and criticisms of practices in the retail stores he contacts.

4 sem. hrs.

McCloskey.



DISPENSING PHARMACY LABORATORY

DEGREES CONFERRED, JUNE 5, 1939

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